

CONSTRUCTION OF BUILDINGS AND OTHER
CIVIL WORKS AND PLAYGROUNDS IN WARD
NO - 01,03 & 04 UNDER BUILDINGS/
PLAYGROUNDS / HOSPITALS HEAD IN CHIEF
MINISTER NAVA NAGAROTHAN GRANTS OF
YELAHANKA DIVISION (PACKAGE- 11)

Sixth and Final Bill
Quality Control Reports
BOOK NO - 06



QC ABSTRACT

NAME OF WORK: Construction of Building and Other Civil Works and Playgrounds in Ward No -01, 03 & 04 Under Buildings/ Playgrounds / Hospitals Head in Chief Minister Nava Nagarothan Grants of Yelahanka Division.(Package-11)

SL NO	Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
Materials						
1	Cement	Fineness by dry sieving	One Test		1	1
		Fineness by Air permeability method	One Test		1	1
		Density	One Test		1	1
		Standard Consistency	One Test		1	1
		Initial Setting time	One Test		1	1
		Final Setting time	One Test		1	1
		Soundness (Le Chatelier's Method)	One Test		1	1
2	Coarse aggregate(40 mm down size)	Compressive Strength	One Test		1	1
		SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
3	Coarse aggregate(20 mm down size)	Water Absorption	One Test		1	1
		SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
4	Fine aggregate	Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
		Bend test	One Test		1	1
		Tensile Test	One Test		1	1
		Yield Test	One Test		1	1
		ReBend test	One Test		1	1
5	Steel	BLOCK DENSITY	One Test		1	1
		WATER ABSORPTION	One Test		1	1
		DIMENSION ANALYSIS	One Test		1	1
		COMPRESSIVE STRENGTH	One Test		1	1
6	Block(400*200*200)	BLOCK DENSITY	One Test		1	1
		WATER ABSORPTION	One Test		1	1
		DIMENSION ANALYSIS	One Test		1	1
		COMPRESSIVE STRENGTH	One Test		1	1
7	Block(400*100*200)	BLOCK DENSITY	One Test		1	1
		WATER ABSORPTION	One Test		1	1
		DIMENSION ANALYSIS	One Test		1	1
		COMPRESSIVE STRENGTH	One Test		1	1
8	PCC(M15)	Compressive Strength(7days and 28days)	5 set /100-150 cum	113.53	12	12
9	RCC(M20)	Compressive Strength(7days and 28days)	3 set /16-30 cum	23.76	6	6
10	RCC(M25)	Compressive Strength(7days and 28days)	3 set /16-30 cum	20.09	6	6
11	RCC(M25)	Compressive Strength(7days and 28days)	3 set /16-30 cum	16.71	6	6



12	CERAMIC TILES	MEASUREMENTS OF LENGTH, WIDTH AND THICKNESS	One Test		1	1
		MODULUS OF RUPTURE AND BREAKING STRENGTH	One Test		1	1
13	Mortar Sand	Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
		Compacted Bulk Density	One Test		1	1
		Loose Bulk Density	One Test		1	1
		SIEVE ANALYSIS	One Test		1	1
14	Plaster Sand	Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
		SIEVE ANALYSIS	One Test		1	1
15	Structural Steel Truss (Top & Bottom member) NB-150 ,OD-168.3, 12th	Weight/Meter	One Test		1	1
		Thickness	One Test		1	1
		Outer Diameter	One Test		1	1
		Yield Stress	One Test		1	1
		Tensile Strength	One Test		1	1
		Elongation Percentage	One Test		1	1
		Bend Test	One Test		1	1
		Weight/Meter	One Test		1	1
16	Structural Steel Truss (Vertical member) NB-50 ,OD-60.3, 4.5th	Thickness	One Test		1	1
		Outer Diameter	One Test		1	1
		Yield Stress	One Test		1	1
		Tensile Strength	One Test		1	1
		Elongation Percentage	One Test		1	1
		Bend Test	One Test		1	1
		Weight/Meter	One Test		1	1
17	Structural Steel (Purlin SHS 145x 82 x5.4th)	Thickness	One Test		1	1
		Yield Stress	One Test		1	1
		Tensile Strength	One Test		1	1
		Elongation Percentage	One Test		1	1
		Bend Test	One Test		1	1
		Weight/Meter	One Test		1	1
18	Structural Steel (Column - ISMB 400)	Thickness	One Test		1	1
		Yield Stress	One Test		1	1
		Tensile Strength	One Test		1	1
		Elongation Percentage	One Test		1	1
		Bend Test	One Test		1	1

ಸಹಾಯಕ ನಿರ್ದೇಶಕರು, ಪ್ರಯೋಗಶಾಲೆ

 ಯು.ಪಿ.ಎಂ.ಸಿ. ಬೆಂಗಳೂರು-100



Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID : CP-2021-10-19-21 Date: 29-07-21
 Project Name : Construction of Building and Other Civil Works and Playgrounds in Ward No -01, 03 & 04 Under Buildings/ Playgrounds / Hospitals Head in Chief Minister Nava Nagarothan Grants of Yelahanka Division.(Package-11)
 Agency : M/s SMLP Asphalts, Prop.Sri B.B.Umesh, No:1265 Next to Andhara Bank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064
 Customer's Reference : BBMP/EE/YNK.D/W.O/260/2019-20
 Date of Receipt : 26-07-21
 Sample Type : Birla Super 53grade
 Reference to BIS codes : IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2,3,4,5, 6,11):1988
 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4
 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5
 IS 4031 Part 3, Determination of Soundness, Clause 5, Clause 6
 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5
 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5
 IS 4031 Part 11, DETERMINATION OF DENSITY , Clause 6
 Date of test : 27-07-21
 Environmental Conditions during test : Temperature: 26°C
 Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	1.94	—
2	Finess by Air permeability method (m ² /kg,Min)	285.3	225m ² /kg, Min
3	Density (gm/cc)	3.14	—
4	Standard Consistency (%)	29.5%	Not specified
5	Initial Setting time	150 minutes	Not less than 30 minutes
6	Final Setting time	245 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1.5mm	Not more than 10 mm

* The results obtained are satisfactory as per standard requirements.

ಸಹಾಯಕ ಅಧೀಕ್ಷಕರು
 ಯಶವಂತರಾಜ್ ಜಿ.ಎ.ಎ.ಎ.ಎ.
 29.07.21

96L4



FOR CIVIL Pro.
 R KARTHIK RECHAN
 Authorized Signatory
 Quality Manager



Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID : CP-2021-10-19-21 Date: 24-08-21

Project Name : Construction of Building and Other Civil Works and Playgrounds in Ward No -01, 03 & 04 Under Buildings/ Playgrounds / Hospitals Head in Chief Minister Nava Nagarothan Grants of Yelahanka Division.(Package-11)

Agency : M/s SMLP Asphalts, Prop.Sri B.B.Umesh, No:1265 Next to Andhara Bank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/W.O/260/2019-20

Date of Receipt : 26-07-21

Sample Type : Birla Super 53grade

Reference to BIS codes : IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification ,
IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5
IS 4031 Part 6, Determination of Compressive Strength, Clause 6

Date of test : 27-07-21

Environmental Conditions during test : Temperature: 26°C
Humidity: 72%

Compressive Strength			
S.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	3 Days	28.0N/mm ²	Not less than 27 N/mm ²
2	7 Days	39.5N/mm ²	Not less than 37 N/mm ²
3	28 Days	59.0N/mm ²	Not less than 53 N/mm ²

* The results obtained are satisfactory as per standard requirements.

904L

ಸಾಕಾರ್ಯ ಸಾಧನಾ ಸಂಸ್ಥೆ
ಯಂತ್ರ ಸಾಮಗ್ರಿ ಸಂಸ್ಥೆ
ಬಿ.ಬಿ.ಎ. ಸಿ.ಸಿ.ಎ. - 105



FOR CIVIL PRO.
KARTHIK RECHAN
Authorized Signatory
Quality Manager



Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2021-10-19-21

Date: 29-07-21

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	12.4	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	11.8	
3	Specific Gravity	2.68	—
4	Bulk Density(Loose) (Kg/l)	1.48	—
5	Bulk Density(Compacted) (Kg/l)	1.52	—
6	Water Absorption(%)	0.22	—

* The results obtained are satisfactory as per standard requirements.

AC/L

AB
Signature
Date: 29-07-21
R. Karthik Rechan



FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 2/2
****End of Report****



Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID

: CP-2021-10-19-21

Date: 28-07-21

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	13.1	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	12.5	
3	Specific Gravity	2.67	—
4	Bulk Density(Loose) (Kg/l)	1.54	—
5	Bulk Density(Compacted) (Kg/l)	1.58	—
6	Water Absorption(%)	0.22	—
7	Aggregate crushing Value(%)	24.5	Max 30% for Aggregates to be used in concrete for wearing Surface, In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface.
8	Aggregate Impact Value(%)	22.8	30% for Aggregates to be used in concrete for wearing Surface, 45% for Aggregates to be used in concrete other than for wearing Surface.

* The results obtained are satisfactory as per standard requirements.

QAL

Handwritten signature and stamp
R. K. RACHAN
Authorized Signature
Quality Manager



FOR CIVIL PRO.
R. K. RACHAN
Authorized Signature
Quality Manager

Page 2/2
End of Report



Format No: CP/TF/01

TEST RESULTS OF STEEL

Lab ID : CP-2021-10-19-21 Date: 27-07-21
 Project Name : Construction of Building and Other Civil Works and Playgrounds in Ward No -
 01, 03 & 04 Under Buildings/ Playgrounds / Hospitals Head in Chief Minister
 Nava Nagarothan Grants of Yelahanka Division.(Package-11)
 Agency : M/s SMLP Asphalts, Prop.Sri B.B.Umesh, No:1265 Next to Andhara Bank,
 Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064
 Customer's Reference : BBMP/EE/YNK.D/W.O/260/2019-20
 Date of Receipt : 26-07-21
 Sample Type : Sunvik
 Reference to BIS codes : IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.
 Date of test: : 26-07-21

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm ²)	(N/mm ²)	(%)		
1	Sunvik	Fe500	8	0.391	512	652	20.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.616	528	672	20.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	16	1.581	572	674	19.0%	Satisfactory	Satisfactory
4	Sunvik	Fe500	20	2.476	584	693	19.0%	Satisfactory	Satisfactory
5	Sunvik	Fe500	25	3.472	597	712	18.0%	Satisfactory	Satisfactory

* The results obtained are satisfactory as per standard requirements.

Recd

AB
 ಸಮಗ್ರ ಮೂಲಕ ಉಪಯೋಗ
 ಮುಖ್ಯ ಮಂತ್ರಿಗಳ ಮಹಾಕೂಟ
 ೧೧.೦೭.೨೦೨೧



FOR CIVIL Pro.
 R NARTHIK RECHAN
 Authorized Signatory
 Quality Manager

Page 1/1
 End of Report



Lab ID : CP-2021-10-19-21

Date: 31-08-21

COMPRESSIVE STRENGTH:

Sl. No.	Size of solid block		Area	Failure Load	Compressive strength	Average Compressive strength
	Length	Breadth				
	mm	mm	(mm ²)	(KN)	N/mm ²	(N/mm ²)
1	400	202	80910	378.5	4.7	4.7
2	401	200	80087	379.0	4.7	
3	403	199	80255	375.5	4.7	
4	400	199	79718	379.7	4.8	
5	399	202	80788	379.5	4.7	
6	403	201	81034	380.5	4.7	
7	401	201	80753	373.6	4.6	
8	400	201	80222	375.9	4.7	

As per IS Requirements (Table 2, Clause 5.1, 5.2 and 9.4)

Compressive strength		
Grade	Minimum average	Minimum Individual units.
C (5.0)	5.00 N/mm ²	4.00 N/mm ²
C (4.0)	4.00 N/mm ²	3.20 N/mm ²

* The Results Obtained are Satisfactory as per Standard Requirements

90Lg

Page 3/3
End of Report****
ಸಹಾಯಕ ನಿರ್ದೇಶಕರು, ಯುಪಿಎಂಐ, ಬೆಂಗಳೂರು-108
2021.08.31



FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager



Lab ID : CP-2021-10-19-21

Date: 31-08-21

COMPRESSIVE STRENGTH:

Sl. No.	Size of solid block		Area	Failure Load	Compressive strength	Average Compressive strength
	Length	Breadth				
	mm	mm	(mm ²)	(KN)	N/mm ²	(N/mm ²)
1	400	99	39623	184.5	4.7	4.6
2	402	99	39886	189.8	4.8	
3	403	101	40687	183.1	4.5	
4	400	103	41010	182.5	4.5	
5	402	102	40821	185.9	4.6	
6	403	101	40870	182.0	4.5	
7	400	102	40800	187.6	4.6	
8	402	99	39896	183.8	4.6	

As per IS Requirements (Table 2, Clause 5.1, 5.2 and 9.4)

Compressive strength		
Grade	Minimum average	Minimum Individual units.
C (5.0)	5.00 N/mm ²	4.00 N/mm ²
C (4.0)	4.00 N/mm ²	3.20 N/mm ²

* The Results Obtained are Satisfactory as per Standard Requirements

Handwritten signature and stamp in Kannada script.



FOR CIVIL PRO.

R. KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 3/3

****End of Report****

TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Lab ID	: CP-2021-10-19-21	Date: 17/08/2021
Project Name	Construction of Building and Other Civil Works and Playgrounds in Ward No -01, 03 & 04 Under Buildings/ Playgrounds / Hospitals Head in Chief Minister Nava Nagarothan Grants of Yelahanka Division.(Package-11)	
Agency	M/s SMLP Asphalts, Prop.Sri B.B.Umesh, No:1265 Next to Andhara Bank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064	
Customer's Reference	BBMP/EE/YNK.D/W.O/260/2019-20	
Date of Receipt	12-08-21	
Customer ID	PCC (For Above SSM)	
Sample Type /Size	150X150X150 mm	
Sample grade/Age	M15 / 7 Days Compressive Strength	
Reference to BIS codes	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5	
Date of test	17/08/2021	

S. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength		
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)		
	PCC (For Above SSM)	M15	10/08/2021	17/08/2021	150.12 X	22506	8.610	291.7	13.0	12.4		
					149.92 X							
					150.85							
	PCC (For Above SSM)	M15	10/08/2021	17/08/2021	150.01 X	22762	8.306	275.7	12.1		12.4	
					151.74 X							
					151.63							
	PCC (For Above SSM)	M15	10/08/2021	17/08/2021	150.76 X	22793	8.148	276.3	12.1			12.4
					151.19 X							
					151.57							

c results obtained are satisfactory as per standard requirements.

A. C. A. L. e. y

40

Aalay

AS
Sri

the above mentioned work was done by
the above mentioned student.

S.S.B. Dated-10-10-2020

Page 1/1

Page 171
 ****End of Report****



FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES



TEST REPORT OF CEMENT CONCRETE CUBES

Job ID : CP-2021-10-19-21 Date: 11/09/2021
Project Name : Construction of Building and Other Civil Works and Playgrounds in Ward No -01, 03 & 04 Under Buildings/ Playgrounds / Hospitals Head in Chief Minister Nava Nagarothan Grants of Yelahanka Division.(Package-11)
Agency : M/s SMLP Asphalts, Prop.Sri B.B.Umesh, No:1265 Next to Andhara Bank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064
Customer's Reference : BBMP/EE/YNK.D/W.O/260/2019-20
Date of Receipt : 06-09-21
Customer ID : Plinth Area Concrete
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M15 / 7 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test : 11/09/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
	Plinth Area Concrete	M15	04/09/2021	11/09/2021	150.53 X 149.71 X 149.15	22535	8.610	284.8	12.6	12.3
	Plinth Area Concrete	M15	04/09/2021	11/09/2021	149.04 X 150.69 X 149.99	22459	8.306	277.7	12.4	
	Plinth Area Concrete	M15	04/09/2021	11/09/2021	150.83 X 149.05 X 151.51	22481	8.148	269.9	12.0	

The results obtained are satisfactory as per standard requirements.

(Kaly)

ಸಹಾಯಕ ನಿರ್ದೇಶಕರು
ಯಂತ್ರ ಸಾಮಗ್ರಿ ಸಂಪನ್ಮೂಲ
ಇ.ಎ.ಎ.ಪಿ. ಬೆಂಗಳೂರು-100

Page 1/1

****End of Report****



FOR CIVIL PRO
R. KARTHIK RECHAN
Authorized Signatory
Quality Manager



TEST REPORT OF CEMENT CONCRETE CUBES

CP-2021-10-19-21
Date: 29/10/2021
Name: Construction of Building and Other Civil Works and Playgrounds in Ward No -01, 03 & 04 Under Buildings/ Playgrounds / Hospitals Head in Chief Minister Nava Nagarothan Grants of Yelahanka Division.(Package-11)
: M/s SMLP Asphalts, Prop.Sri B.B.Umesh, No:1265 Next to Andhara Bank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064
Order's Reference: BBMP/EE/YNK.D/W.O/260/2019-20
Receipt: 04-10-21
Order ID: GF Flooring Concrete
Type /Size: 150X150X150 mm
Grade/Age: M15 / 28 Days Compressive Strength
Reference to BIS codes: IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Test Date: 29/10/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
				(mm)	(Sq. mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
GF Flooring Concrete	M15	01/10/2021	29/10/2021	149.79 X 151.53 X 149.05	22698	8.705	397.1	17.5	17.5
GF Flooring Concrete	M15	01/10/2021	29/10/2021	149.56 X 149.34 X 149.02	22336	8.080	388.2	17.4	
GF Flooring Concrete	M15	01/10/2021	29/10/2021	149.85 X 150.23 X 149.39	22512	8.793	395.1	17.6	

Results obtained are satisfactory as per standard requirements.

Arul

AS
G
* * * * *
* * * * *

Page 1/1

End of Report



FOR CIVIL PRO

Sig:
Date:
R. KARTHIK & RECHAN
Authorized Signatory
Quality Manager



TEST REPORT OF CEMENT CONCRETE CUBES

Name : CP-2021-10-19-21 Date: 22/09/2021
Construction of Building and Other Civil Works and Playgrounds in Ward No -01, 03 & 04 Under Buildings/ Playgrounds / Hospitals Head in Chief Minister Nava Nagarothan Grants of Yelahanka Division.(Package-11)
M/s SMLP Asphalts, Prop.Sri B.B.Umesh, No:1265 Next to Andhara Bank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064
Order's Reference : BBMP/EE/YNK.D/W.O/260/2019-20
Receipt : 27-08-21
Order ID : Plinth Beam Concrete (Judicial Layout Badminton Court)
Type /Size : 150X150X150 mm
Grade/Age : M25 / 28 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl 5
Test : 22/09/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
				(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
Plinth Beam Concrete	M25	25/08/2021	22/09/2021	151.56 X	23015	8.561	644.3	28.0	27.6
				151.86 X					
				150.18					
Plinth Beam Concrete	M25	25/08/2021	22/09/2021	151.32 X	22622	8.636	591.0	26.1	
				149.49 X					
				150.53					
Plinth Beam Concrete	M25	25/08/2021	22/09/2021	149.63 X	22638	8.530	647.1	28.6	
				151.29 X					
				151.54					

Results obtained are satisfactory as per standard requirements.

100%

Page 1/1
End of Report



FOR CIVIL PRO.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES



TEST REPORT OF CEMENT CONCRETE CUBES

Project Name : CP-2021-10-19-21
Date: 09/10/2021
Description : Construction of Building and Other Civil Works and Playgrounds in Ward No -01, 03 & 04 Under Buildings/ Playgrounds / Hospitals Head in Chief Minister Nava Nagarothan Grants of Yelahanka Division.(Package-11)
Client : M/s SMLP Asphalts, Prop.Sri B.B.Umesh, No:1265 Next to Andhara Bank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064
Order's Reference : BBMP/EE/YNK.D/W.O/260/2019-20
Date of Receipt : 13-09-21
Order ID : GF Column Concrete (Judicial Layout Badminton Court)
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M25 / 28 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test : 09/10/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
				(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
GF Column Concrete	M25	11/09/2021	09/10/2021	151.62 X	22823	8.561	626.4	27.4	27.5
				150.53 X					
				150.23					
GF Column Concrete	M25	11/09/2021	09/10/2021	150.46 X	22634	8.636	605.9	26.8	
				150.44 X					
				149.38					
GF Column Concrete	M25	11/09/2021	09/10/2021	149.01 X	22433	8.530	632.9	28.2	
				150.54 X					
				149.35					

Results obtained are satisfactory as per standard requirements.

Handwritten signature



FOR CIVIL Pro.

Handwritten signature
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
End of Report....
Handwritten notes in Kannada

M : 9972924526 | Tel : 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES



AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2021-10-19-21
Project Name : Construction of Building and Other Civil Works and Playgrounds in Ward No -01, 03 & 04 Under Buildings/ Playgrounds / Hospitals Head in Chief Minister Nava Nagarothan Grants of Yelahanka Division.(Package-11)
Agency : M/s SMLP Asphalts, Prop.Sri B.B.Umesh, No:1265 Next to Andhara Bank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064
Customer's Reference : BBMP/EE/YNK.D/W.O/260/2019-20
Date of Receipt : 30-09-21
Customer ID : GF Roof Concrete (Judicial Layout Badminton Court)
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M25 / 7 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test : 05/10/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	GF Roof Concrete	M25	28/09/2021	05/10/2021	150.60 X 151.90 X 150.81	22877	8.551	530.0	23.2	22.7
2	GF Roof Concrete	M25	28/09/2021	05/10/2021	151.21 X 150.46 X 149.46	22750	8.019	520.0	22.9	
3	GF Roof Concrete	M25	28/09/2021	05/10/2021	151.75 X 149.66 X 149.13	22711	8.491	501.6	22.1	

* The results obtained are satisfactory as per standard requirements.

AC

AS

ಸಹಾಯಕ ಕಾರ್ಯದರ್ಶಿ ಮತ್ತು
ಯಲಹಂಕರ ಉಪನಗರ ಉಪವಿಭಾಗ
ಉ.ಉ.ಉ. ಪೊ.ಉ.ಉ.-100

Page 1/1

End of Report



FOR CIVIL PRO.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

M: 9972924526 | Tel: +91 80 23444801 | e: rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
MANAGEMENT | SURVEYING SERVICES



TEST REPORT FOR SAND MASONRY MORTARS

Format No: CP/TF/2017

Lab ID

: CP-2021-10-19-21

Date: 04-10-21

Project Name

: Construction of Building and Other Civil Works and Playgrounds in Ward No - 01, 03 & 04 Under Buildings/ Playgrounds / Hospitals Head in Chief Minister Nava Nagarothan Grants of Yelahanka Division.(Package-11)

Agency

: M/s SMLP Asphalts, Prop.Sri B.B.Umesh, No:1265 Next to Andhara Bank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064

Customer's Reference

: BBMP/EE/YNK.D/W.O/260/2019-20

Date of Receipt

: 30-09-21

Sample Type

: Fine Aggregate, M.Sand for Mortar

Reference to BIS codes

: IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2116-1980 (RA-2007) (Specification for Sand for Masonry Mortars)
IS: 2386 :1963(Part - 1, 3) RA2012
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption

Date of test

: 30-09-21

Total weight taken

: 1000 grams

Sieve	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS: 2116-1980 (PA-2637)
1	4.75 mm	0	0	0	100	100
2	2.36 mm	85	85	8.5	91.5	90-100
3	1.18 mm	200	235	28.5	71.5	70-100
4	600 micron	145	431	43.1	56.9	40-100
5	300 micron	116.5	547.5	54.8	45.3	5-70
6	150 micron	412.5	960	96.0	4.0	0-15
7	Pass	40	1000	100.0	0.0	0

Page 1/2

Kaly

ಶಾಖೆ: ಮುಖ್ಯ ಕಛೇರಿ
ಮುಖ್ಯ ಕಛೇರಿ ಉಪವಿಭಾಗ
ಮುಖ್ಯ ಕಛೇರಿ -106



TEST REPORT OF CERAMIC TILES
WATER ABSORPTION

Sl.no	Weight of oven dry sample	Saturated weight of sample	Water absorption by mass	Average value of water absorption
1	1406	1455	3.49	2.85
2	1424	1464	2.81	
3	1464	1498	2.32	
4	1408	1454	3.27	
5	1434	1468	2.37	

MODULUS OF RUPTURE AND BREAKING STRENGTH

Sl.No

Sl.No.	Dimension (mm)			Wet Transverse Strength	Average
	L	B	T	(N/mm ²)	(N/mm ²)
1	300	300	6.04	14.8	14.66
2	300	300	6.06	14.2	
3	300	300	6.02	14.9	
4	300	300	6.06	14.8	
5	300	300	6.05	14.6	

* The results obtained are satisfactory as per standard requirements.

11/06/24



Page 2/2
End of Report

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

ನಿರ್ದೇಶಕರು
ಮುಖ್ಯಸ್ಥರು
ಮಾಲೀಕರು
ಮಾಹಿತಿ ಕಛೇರಿ-108